PTO/SB/21 (08-00) Nease type a plus sign (+) inside this box → → Approved for use through 10/31/2002. OMB 0651-0031 U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number. Application Number 10/701,192 TRANSMITTAL Filing Date November 4, 2003 **FORM** First Named Inventor Venkat Selvamanickam (to be used for all correspondence after initial filing) Group Art Unit Unknown Unknown **Examiner Name** Total Number of Pages in This Submission **Attorney Docket Number** 05005469.003US1 ENCLOSURES (check all that apply) After Allowance Communication to **Assignment Papers** Fee Transmittal Form (for an Application) Group Appeal Communication to Board of Fee Attached Drawing(s) Appeals and Interferences Appeal Communication to Group Amendment / Response Licensing-related Papers (Appeal Notice, Brief, Reply Brief) Petition After Final Proprietary Information Petition to Convert to a Affidavits/declaration(s) Status Letter Provisional Application \_\_\_ Power of Attorney, Revocation Other Enclosure(s) Extension of Time Request Change of Correspondence Address (please identify below): Copy of one patent reference Terminal Disclaimer Express Abandonment Request Request for Refund CD, Number of CD(s) Certified Copy of Priority Remarks Document(s) Response to Missing Parts/ Incomplete Application Response to Missing Parts under 37 CFR 1.52 or 1.53 SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT Firm Stanislav Antolin, Reg. No. 34,979, Smith Moore LLP Individual name Signature

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be send to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope

02/04/04

addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231 on this date:

Debra C. Jones

Date

Typed or printed name

Patents, Washington, DC 20231.

### IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

re Application of: Venkat SELVAMANICKAM

Application Serial No.: 10/701,192 Filed: November 4, 2003

For: A TAPE-MANUFACTURING SYSTEM HAVING EXTENDED

**OPERATIONAL CAPABILITIES** 

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

#### INFORMATION DISCLOSURE STATEMENT

In accordance with 37 C.F.R. § 1.56, counsel wishes to make of record the attached items of information for the Examiner's consideration in connection with this application. Also enclosed is form PTO/SB/08A for the Examiner's convenience in making such consideration of record. Inclusion herein of any particular item of information is not to be construed as an admission that same is prior art.

The Commissioner is hereby authorized to charge any fees which may be required, or credit any overpayment, to Deposit Account No. 50-2190.

Respectfully submitted,

Starislav Antolin Registration No. 34,979

Date: 02 04 04

SMITH MOORE LLP

P.O. Box 21927

Greensboro, NC 27420

Telephone: (336) 378-5516

Docket No.: 05005469-003US1

Approved for use through 10/31/2002. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

of 5

Complete if Known				
Application Number	10/701,192			
Filing Date	November 4, 2003			
First Named Inventor	Venkat Selvamanickam			
Group Art Unit	Unknown			
Examiner Name	Unknown	6		
Attorney Docket Number	05005469.003US1			

			U.S. PATENT	DOCUMENTS	
Examiner Initials *	Cite No.1	Document Number  Number - Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	1	US- 6,225,717	05/01/2001	Burger et al.	- Garage
	2	US- 6,225,747	05/01/2001	Fremgen, Jr., et al.	
	3	US- 5,980,078	11/09/1999	Krivoshein et al.	
	4	US- 5,726,912	03/10/1998	Krall, Jr., et al.	
	5	US- 5,689,415	11/18/1997	Calotychos, et al.	
	6	US- 5,579,218	11/26/1996	Ehlig et al.	
	7	US- 5,351,200	09/27/1994	Impink, Jr.	
	8	US- 4,916,600	04/10/1990	Repelato	
	9	US- 4,646,223	02/24/1987	Sekiguchi	
	10	US- 4,344,127	08/10/1982	McDaniel, et al.	
	11	US- 4,396,976	08/02/1983	Hyatt	
	12	US- 6,610,414	08/26/2003	Goyal et al.	
	13	US- 6,610,413	08/26/2003	Goyal et al.	
	14	US- 6,607,839	08/19/2003	Goyal et al.	
	15	US- 6,607,838	08/19/2003	Goyal et al.	
	16	US- 6,602,313	08/05/2003	Goyal et al.	
	17	US- 6,599,346	07/29/2003	Goyal et al.	
	18	US- 6,451,450	09/17/2002	Goyal et al.	
	19	US- 6,447,714	09/10/2002	Goyal et al.	
	20	US- 6,331,199	12/18/2001	Goyal et al.	

FOREIGN PATENT DOCUMENTS						
Examiner Cite No.1	0.11	Foreign Patent Document	B. Lilliani	Name of Patentee or	Pages, Columns, Lines,	
	Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)	Publication Date MM-DD-YYYY	Applicant of Cited Document	Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>	
	<u> </u>					
	<u> </u>					

		<del></del>	
Examiner Signature	Date Considered		

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231, DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>&</sup>lt;sup>1</sup> Applicant's unique citation designation number (optional) . <sup>2</sup> See Kinds Codes of USPTO Patent Documents at <a href="www.uspto.gov">www.uspto.gov</a> or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

Approved for use through 10/31/2002. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

# NFORMATION DISCLOSURE STATEMENT BY APPLICANT

**Application Number** 10/701,192 Filing Date November 4, 2003 First Named Inventor Venkat Selvamanickam Group Art Unit Unknown Examiner Name Unknown 05005469.003US1 Attorney Docket Number

Complete if Known

(use as many sheets as necessary)

of 5

_	0.11	Document Number	Publication Date	Name of Patentee or Applicant of	Pages, Columns, Lines, Where Relevan
Examiner Cite Initials * No.1	No. <sup>1</sup>	Number - Kind Code <sup>2</sup> (if known)	MM-DD-YYYY	Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	21	US- 6,106,615	08/22/2000	Goyal, Amit	
	22	US- 5,964,966	10/12/1999	Goyal, Amit	
	23	US- 5,958,599	09/28/1999	Goyal, Amit	
	24	US- 5,898,020	04/27/1999	Goyal, Amit	
	25	US- 5,741,377	04/21/1998	Goyal, Amit	_
	26	US- 5,739,086	04/14/1998	Goyal, Amit	
	27	US- 6,562,761	05/13/2003	Fritzemeier, Leslie G.	
	28	US- 6,475,311	11/05/2002	Fritzemeler, Leslie G.	
	29	US- 6,458,223	10/01/2002	Hans Thieme	
	30	US- 6,426,320	07/30/2002	Fritzemeier, Leslie G.	
	31	US- 6,027,564	02/22/2000	Fritzemeier, Leslie G.	
	32	US- 6,022,832	02/08/2000	Fritzemeier, Leslie G.	
	33	US- 6,214,183	04/10/2001	Maishev, Yuri	
	34	US- 6,156,170	12/05/2000	Akari, Koichiro	
	35	US- 6,063,244	05/16/2000	Pinarbasi, Mustafa	
	36	US- 5,888,305	03/30/1999	Szczyrbowski, Joachim	
	37	US- 5,507,931	04/16/1996	Yang, Peter Y.	
	38	US- 6,252,339	06/26/2001	Kendall, Rodney Arthur	
	39	US- 6,103,069	08/15/2000	Davenport, Robert E.	
	40	US- 4,891,821	01/02/1990	Hanks, Charles W.	

FOREIGN PATENT DOCUMENTS						
Examiner Cite No.1		Foreign Patent Document		Name of Patentee or	Pages, Columns, Lines,	
	Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> ( <i>if known</i> )	Publication Date MM-DD-YYYYY Applicant of Cited Document		Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>	
				· · · · · · · · · · · · · · · · · · ·		

	<del></del>		
Examiner Signature		Date Considered	

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WiPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

### INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Complete if Known 10/701,192 **Application Number** Filing Date November 4, 2003 First Named Inventor Venkat Selvamanickam Group Art Unit Unknown **Examiner Name** Unknown 05005469.003US1 Attorney Docket Number

(use as many sheets as necessary)

3 of 5

			U.S. PATENT [	OCUMENTS	-
Examiner Initials *	Cite No.1	Document Number  Number - Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	41	US- 5,254,911	10/19/1993	Avnery, Tzvi	rigures Appear
	42	US- 6,610,632	08/26/2003	Honjo et al.	•
	43	US- 6,541,121	04/01/2003	Usoskin et al.	
	44	US- 6,383,989	05/07/2002	Jia et al.	
	45	US- 5,872,080	02/16/1999	Arendt et al.	
	46	US- 6,156,376	12/05/2000	Paranthaman et al.	
	47	US- 6,543,691	04/08/2003	Lemelson et al.	
	48	US- 6,032,861	03/07/2000	icemeison et al.	
-	49	US- 5,563,401	10/08/1996	Lemelson	
	50	US- 5,468,945	11/21/1995	Huggett et al.	
	51	US- 5,357,094	10/18/1994	Baldwin	
	52	US- 5,355,001	10/11/1994	Fujimoto et al.	
	53	US- 5,304,787	04/19/1994	Wang	
	54	US- 5,298,731	03/29/1994	Ett	
	55	US- 5,296,693	03/22/1994	Hughes-Hartogs	
	56	US- 5,288,986	02/22/1994	Pine et al.	
	57	US- 5,189,292	02/23/1993	Batterman et al.	
	58	US- 5,170,044	12/08/1992	Pastor	
	59	US- 5,153,418	10/06/1992	Batterman et al.	
	60	US- 4,889,367	12/26/1989	Miller	

		FOREIGN PA	TENT DOCU	MENTS	•	
	Cian	Foreign Patent Document		Name of Patentee or	Pages, Columns, Lines, Where Relevant	
Examiner Initials*	Cite No. <sup>1</sup>	Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> ( <i>if known</i> )	Publication Date MM-DD-YYYY	Applicant of Cited Document	Passages or Relevant Figures Appear	T <sup>6</sup>
_						

Examiner Signature	Date Considered	

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>&</sup>lt;sup>1</sup> Applicant's unique citation designation number (optional) . <sup>2</sup> See Kinds Codes of USPTO Patent Documents at <u>www.uspto.gov</u> or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

Approved for use through 10/31/2002. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

### INFORMATION DISCLOSURE TATEMENT BY APPLICANT

(use as many sheets as necessary)

Complete if Known				
Application Number	10/701,192			
Filing Date	November 4, 2003			
First Named Inventor	Venkat Selvamanickam			
Group Art Unit	Unknown			
Examiner Name	Unknown			
Attorney Docket Number	05005469.003US1			

			U.S. PATENT	OCUMENTS	
Examiner	Cite	Document Number	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant
Initials *	No.1	Number - Kind Code <sup>2</sup> (if known)	MM-DD-YYYY		Passages or Relevant Figures Appear
	61	US- 4,661,001	04/28/1987	Takai et al.	
	62	US- 4,281,342	07/28/1981	Veda et al.	
	63	US- 4,449,052	05/15/1984	Krieg	
	64	US- 4,247,907	01/27/1981	Durbeck et al.	
	65	US- 4,079,482	03/21/1978	Yeh	
		US-			
		US-			
_		US-			
		US-			

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No.1	Foreign Patent Document  Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> ( <i>if known</i> )	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>

Examiner Signature	Date Considered	

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>&</sup>lt;sup>1</sup> Applicant's unique citation designation number (optional) . <sup>2</sup> See Kinds Codes of USPTO Patent Documents at <u>www.uspto.gov</u> or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. Applicant is to place a check mark here if English language Translation is attached.

DTOICDIO	D/40 041
PTO/SB/08	וו ט-טוום

Approved for use through 10/31/2002. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Complete if Known

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

Test (1) Mitute for form 1449A/PTO

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Application Number 10/701,192

Filing Date November 4, 2003

First Named Inventor Venkat Selvamanickam

Group Art Unit

Examiner Name

(use as many sheets as necessary)

Sheet 5 of 5

Attorney Docket Number 05005469.003US1

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS				
Examiner Initials *	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²	
	1	Handbook of Deposition Technologies for Films and Coatings, Science, Technology and Applications, Second Ed., Univ. of California at Los Angeles, Ion Plating by Donald M. Mattox, pages 320-373; 1994		
9	2			

The second secon	And the second s	
Examiner	Date	
Signature	Considered	

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.



EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>&</sup>lt;sup>1</sup> Unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.